, .	Application No.	Applicant(s)
Notice of Allowability	10/607,899	JACKSON, ANDREW W.
	Examiner	Art Unit
	Tuan N. Nguyen	2828
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI-	(OR REMAINS) CLOSED i or other appropriate comm GHTS. This application is	n this application. If not included unication will be mailed in due course. THIS
1. This communication is responsive to <u>03/24/2005</u> .		
2. The allowed claim(s) is/are <u>1-12, 14-16 and 27-42</u> .		
3. \square The drawings filed on $___$ are accepted by the Examiner		
 4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application	on No
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give		
6. ☑ CORRECTED DRAWINGS (as "replacement sheets") must	t be submitted.	
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date <u>5/9/2005</u>.	Amendment / Comment o	r in the Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on t ne header according to 37 Cl	the drawings in the front (not the back) of FR 1.121(d).
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F 		
Attachment(s) 1. ⊠ Notice of References Cited (PTO-892)	5 □ Notice of I	oformal Potent Application (PTO 152)
 Induce of References Cited (PTO-892) Induce of Praftperson's Patent Drawing Review (PTO-948) 		nformal Patent Application (PTO-152)
Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No.	iummary (PTO-413), /Mail Date <u>5/6/2005</u> . : Amendment/Comment
Paper No./Mail Date	<u>_</u>	
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. ☑ Examiners 9. ☐ Other	Statement of Reasons for Allowance
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Application/Control Number: 10/607,899

Art Unit: 2828

DETAIL ACTION

Response to Amendment

1. In responding to applicant's response filed 03/24/2005, claim 1 has been amended, claims 13, and 17-26 have been canceled, and claims 27-42 have been added.

DRAWING

2. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because Figures 1-5 draft are not acceptable. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below, to the amended claim 1 should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no latter than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Stephen J. Holmes (Attorney for Applicant, Reg. No. 34,621) on 05/6/2005.

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1. (Currently amended) An apparatus comprising:

a VCSBL (vertical cavity surface emitting laser) formed on a top surface of a substrate that is transmissive to light emitted by the VCSEL;

a photodetector disposed facing an opposed bottom surface of the substrate and capable of detecting light emitted by the VCSEL; and

an angular filter disposed between the bottom surface and a detecting surface of the photodetector, and

said angular filter being capable of allowing only light which reaches the angular filter within a limited range of angles to reach the photodetector.

said angular filter being mounted one of on and within a further member disposed between the bottom surface of the substrate and the photodetector.

REASON FOR ALLOWANCE

Allowable Subject Matter

4. The following is an examiner's statement of reasons for allowance - with respect to claims 1, and 27, the references of the record fail to teach or suggest:

Claims 1, 27:

An apparatus comprising VCSEL formed on top of a substrate, having photodetector and angular filter or filter means disposed between the bottom substrate and photodetector, where the photodetector is facing the oppose bottom surface of the substrate, wherein the angular filter being mounted on and within a further member, allowing only light reaches the angular filter within a limited ranges to reach the photodetector.

Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harvey Minsun can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan N. Nguyen

Wan Nguyer

MINGUN CHERTAGARA